CITY OF BURBANK

POWER SYSTEM OPERATOR II

DEFINITION

Under direction, to monitor and operate an electric system, distribute power, and schedule and arrange for the purchase, sale, transmission and/or transfer of energy; and perform related work as required.

ESSENTIAL FUNCTIONS

Operates an electric system on an assigned, rotating shift; buys and sells energy and performs associated activities such as scheduling, as well as, marketing and trading with other entities to meet system load, maximize utilization of City-owned resources, manage risk and minimize costs to the City's ratepayers; monitors electric system generation; controls transmission, subtransmission, and distribution systems using the Supervisory Control and Data Acquisition (SCADA) system; checks and maintains log of all operations; controls voltage, reactive power exchange, and station capacitors; generates reports and analyses; issues safety clearances and switching instructions; restores system after clearances; forecasts hourly energy needs and market prices; fully assists or trains other team members, as needed; performs switching in substations as needed; reviews, edits or creates switching and operating procedures; drives on City business; may act in the absence of the next level of supervision.

MINIMUM QUALIFICATIONS

Employment Standards:

- Knowledge of - Federal, State and local regulations pertaining to the electrical and gas utility fields; SCADA system operation; the principles and practices of the purchase, sale, transmission and/or transfer of energy used in the operation of a utility; basic electricity and the principles of generation, transmission, sub-transmission, and distribution system operations; basic mathematics and statistics; financial and trading risks; risk management practices.

- Ability to - communicate effectively, both orally and in writing; follow written and oral instructions; prepare written reports and analyses; work under pressure; make independent judgments and decisions based on standard policy or system operating procedures; keep accurate records; follow safe operation and maintenance practices; perform switching in the stations; work overtime and travel, as needed; establish and maintain effective working relationships with supervisors, fellow employees, and the public.

Education & Training: Graduation from high school or equivalent and 18 months experience in the operation of high voltage substations, generating stations, or marketing of electrical energy; or two years of experience operating a power system from a central control center; or graduation from an accredited college or university with a bachelor's degree in engineering and one year of experience as an operating or planning engineer of a high voltage electric transmission and/or distribution system.

License & Certificates: A valid California Class "C" driver's license or equivalent at the time of appointment; and a valid North American Electric Reliability Corporation (NERC) certification as a NERC Certified System Operator within one year of appointment.

SUPPLEMENTAL INFORMATION

None.